

Praxis® Elementary Education Science (5005) Curriculum Crosswalk

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Test Content Categories	Required Course Numbers										
I. Earth Science (32%)											
A. Understands the structure of the Earth system (e.g., structure and properties of the solid Earth, the hydrosphere, the atmosphere)											
B. Understands processes of the Earth system (e.g., processes of the solid Earth, the hydrosphere, the atmosphere)											
C. Understands Earth history (e.g., origin of Earth, paleontology, the rock record)											
D. Understands Earth and the universe (e.g., stars and galaxies; the solar system and planets; Earth, Sun, and Moon relationships)											
E. Understands Earth patterns, cycles, and change											
F. Understands science as a human endeavor, a process, and a career											
G. Understands science as inquiry (e.g., questioning, gathering data, drawing reasonable conclusions)											
H. Understands how to use resource and research material in science											
I. Understands the unifying processes of science (e.g., systems, order, organization)											
II. Life Science (34%)											
A. Understands the structure and function of living systems (e.g., living characteristics and cells, tissues)											

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Test Content Categories	Required Course Numbers										
and organs, life processes)											
B. Understands reproduction and heredity (e.g., growth and development, patterns of inheritance of traits, molecular basis of heredity)											
C. Understands change over time in living things (e.g., life cycles, mutations, adaptation and natural selection)											
D. Understands regulation and behavior (e.g., life cycles, responses to external stimuli, controlling the internal environment)											
E. Understands unity and diversity of life, adaptation, and classification											
F. Understands the interdependence of organisms (e.g., ecosystems, populations, communities)											
G. Knows about personal health (e.g., nutrition, communicable diseases, substance abuse)											
H. Understands science as a human endeavor, a process, and a career											
I. Understands science as inquiry (e.g., questioning, gathering data, drawing reasonable conclusions)											
J. Understands how to use resource and research material in science											
K. Understands the unifying processes of science (e.g., systems, order, organization)											

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Test Content Categories	Required Course Numbers										
III. Physical Science (34%)											
A. Understands the physical and chemical properties and structure of matter (e.g., changes of states, mixtures and solutions, atoms and elements)											
B. Understands forces and motions (e.g., types of motion, laws of motion, forces and equilibrium)											
C. Understands energy (e.g., forms of energy, transfer and conservation of energy, simple machines)											
D. Understands interactions of energy and matter (e.g., electricity, magnetism, sound)											
E. Understands science as a human endeavor, a process, and a career											
F. Understands science as inquiry (e.g., questioning, gathering data, drawing reasonable conclusions)											
G. Understands how to use resource and research material in science											
H. Understands the unifying processes of science (e.g., systems, order, organization)											